

氏名 ( ) 点数 \_\_\_\_\_

$$\begin{aligned}(1) \quad x^2 - 16 &= 0 \\ x^2 &= 16 \\ x &= \pm 4\end{aligned}$$

$$\begin{aligned}(2) \quad x^2 + 6 &= 12 \\ x^2 &= 6 \\ x &= \pm\sqrt{6}\end{aligned}$$

$$\begin{aligned}(3) \quad 49x^2 &= 36 \\ x^2 &= \frac{36}{49} \\ x &= \pm\frac{6}{7}\end{aligned}$$

$$\begin{aligned}(4) \quad 4x^2 - 17 &= 31 \\ 4x^2 &= 48 \\ x^2 &= 12 \\ x &= \pm 2\sqrt{3}\end{aligned}$$

$$\begin{aligned}(5) \quad (x-3)^2 &= 5 \\ x-3 &= \pm\sqrt{5} \\ x &= 3 \pm \sqrt{5}\end{aligned}$$

$$\begin{aligned}(6) \quad 4(x-2)^2 &= 16 \\ (x-2)^2 &= 4 \\ x-2 &= \pm 2 \\ x &= 2 \pm 2 \\ x &= 2+2, 2-2 \\ x &= 4, 0\end{aligned}$$

$$\begin{aligned}(7) \quad (x+4)^2 &= 36 \\ x+4 &= \pm 6 \\ x &= -4 \pm 6 \\ x &= -4+6, -4-6 \\ x &= 2, -10\end{aligned}$$

$$\begin{aligned}(8) \quad (x-5)^2 - 18 &= 0 \\ (x-5)^2 &= 18 \\ x-5 &= \pm 3\sqrt{2} \\ x &= 5 \pm 3\sqrt{2}\end{aligned}$$

$$\begin{aligned}(9) \quad 5(x-1)^2 - 4 &= 0 \\ 5(x-1)^2 &= 4 \\ (x-1)^2 &= \frac{4}{5} \\ x-1 &= \pm \frac{2}{\sqrt{5}} \\ x &= 1 \pm \frac{2\sqrt{5}}{5}\end{aligned}$$

$$\begin{aligned}(10) \quad (3x-4)^2 &= 5 \\ 3x-4 &= \pm\sqrt{5} \\ 3x &= 4 \pm \sqrt{5} \\ x &= \frac{4 \pm \sqrt{5}}{3}\end{aligned}$$